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May 14, 2002

Your Reference: 10/046,542
Our Reference: 7685-41

The Commissioner of Patents
& Trademarks
Washington, D.C. 20231
U.S.A.

**Attention: Box Missing Parts**

Dear Sir:

**Re: NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION**
**United States Patent Application No. 10/046,542**
**Entitled: Method of Enhancing an Immune Response**
**Inventors: Wilfred A. Jefferies et al.**
**Filing Date: January 16, 2002**
**Art Unit: 1632**

This is in response to the Notice to File Missing Parts of Nonprovisional Application - Filing Date Granted mailed February 15, 2002, a copy of which we attach. Applicants are simultaneously filing a Petition for Extension of Time (one month) rendering the due date for response **May 15, 2002**.

Please amend the application as follows:

**In the Specification**

Please replace the paragraph beginning at page 58, line 1, with the following rewritten paragraph:

--removed and cultured in RPMI-1640 complete medium containing 10% heat-inactivated HyClone FBS (GIBCO BRL), L-glutaimine, 100IU/ml penicillin, 100mg/ml streptomycin, Hepes, 0.1 mM non-essential amino acids, 1 mM Na-pyruvate, and 50 mM 2-ME. The splenocyte cultures were incubated at 3 X $10^6$ cells/ml at 37°C for 3 days with the peptide (1 µM Sendai-Np 324-332 peptide, FAPGNYPAL (SEQ ID NO:6)) for Sendai-specific effectors or without a peptide for

VSV-specific effectors. The erythrocytes were removed from the splenocytes before 3 days culture (for VSV-specific effectors) or after (for Sendai-specific effectors).--

Please replace the paragraph beginning at page 63, line 1, with the following rewritten paragraph:

--using the following primer sets: GACCGGACTCTGGACAGC (SEQ ID NO:4) and GTAAATTCCGGGGCATCTCCT (SEQ ID NO:7) corresponding to rat TAP1: AGGAAGCAGATTTCAGAACTC (SEQ ID NO:8) and AGTCCTGAGAGGGCTCAG TGT (SEQ ID NO:9) corresponding to rat TAP2 respectively. The β-actin subunit primer set was obtained from Ambion. For all targets, the PCR reaction consisted of 30 cycles of amplification at an annealing temperature of 56°C using Platinum Taq polymerase (Invitrogen), according to manufacturer's instructions. One tenth of the product of each PCR reaction was examined by agarose gel electrophoresis. The inventors measured the intensity of β-actin product in order to ensure that the reaction kinetics and starting material of cDNA in each reaction was equivalent.--

Please replace the paragraph beginning at page 63, line 22, with the following rewritten paragraph:

--For tyrosinase-related protein 2 (TRP-2) specific CTL generation, the specificity of splenocytes was generated by injecting mice intraperitoneal with 3 x $10^6$ γ-irradiated RMA-S cells pulsed with 5 μM, $K^b$-restricted TRP-2 peptides (SVYDFFVWL (SEQ ID NO:10)) for 5 days. Upon removal the splenocytes were cultured with 1 μM TRP-2 for 6 days and used for bulk-culture CTLs in a standard 4 h $^{51}Cr$ release assay.--

Please insert Sequence Listing pages 89-91 into the specification.